

Title (en)
POWER SCREWDRIVER AND PROCESS FOR TIGHTENING SCREWS

Title (de)
SCHRAUBER UND VERFAHREN ZUM ANZIEHEN EINER SCHRAUBVERBINDUNG MITTELS DES SCHRAUBERS

Title (fr)
VISSEUSE ET PROCEDE DE SERRAGE DE VIS

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Application
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Priority
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• DE 4427452 A 19940803

Abstract (en)
[origin: DE4427452A1] A power screwdriver has a hydraulic percussion mechanism (17) with an input shaft (16) capable of being rotated by a drive motor (12) and an output shaft (18) coupled to a screw driving tool. The percussion mechanism (17) further has a high pressure chamber (35) and a low pressure chamber (36) filled with a pressure medium and in communication through an overflow duct (37). The overflow duct (37) has a constant flow cross-section. An angular momentum (M) that can be utilized at the output shaft (18) is generated by changing the speed of rotation (n) of the input shaft (16). For that purpose, the screwdriver (10) has means (27) for preselecting the speed of rotation (n) of the input shaft (16) or the angular momentum (M) at the output shaft (18).

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Citation (search report)
See references of WO 9604106A1

Cited by
CN110621444A; US10160049B2; WO2018210585A1; US10589413B2; US11192232B2; US11759926B2

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